

FIG. 1

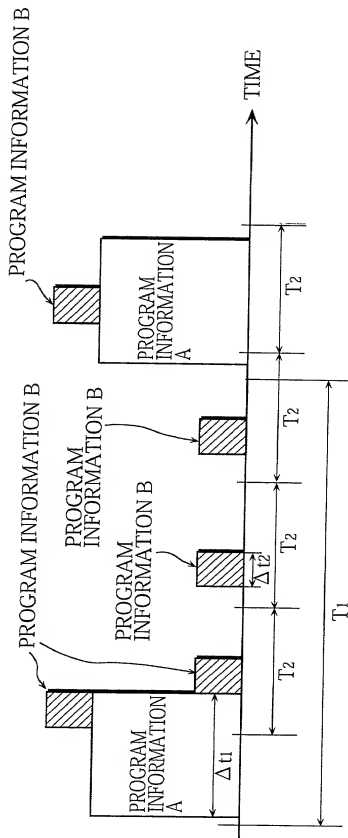


FIG. 2

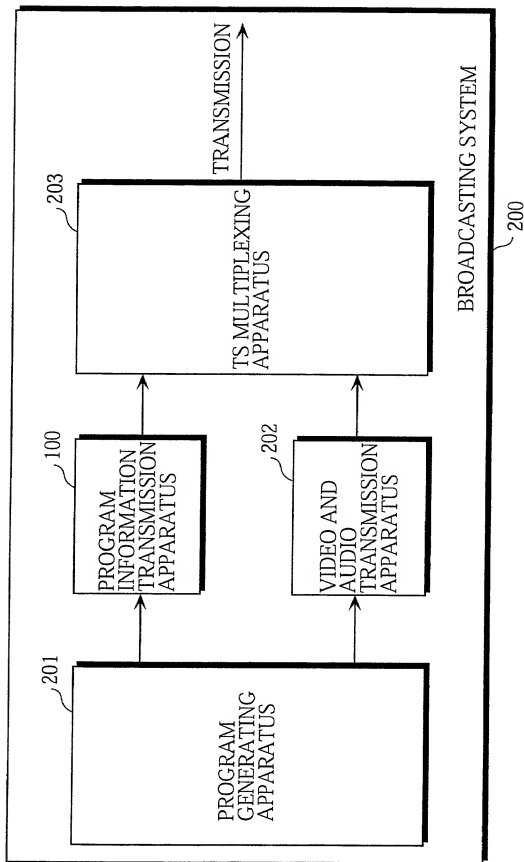
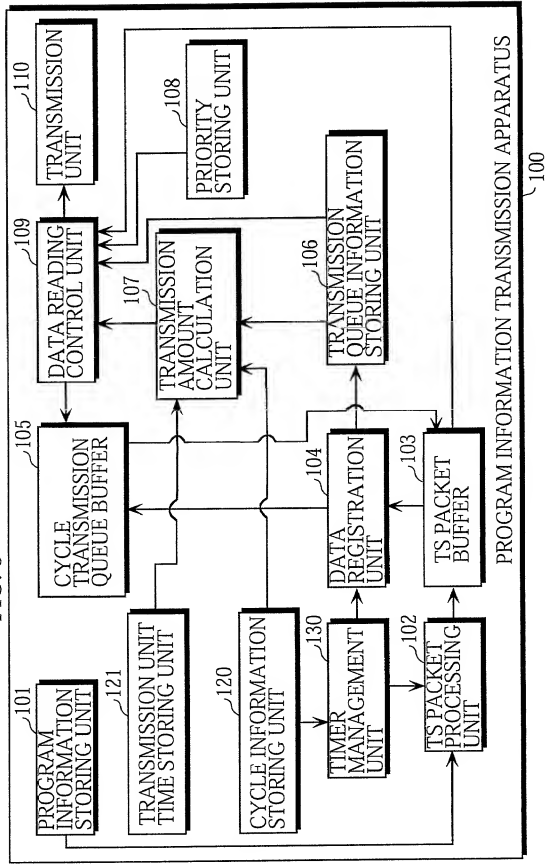


FIG. 3



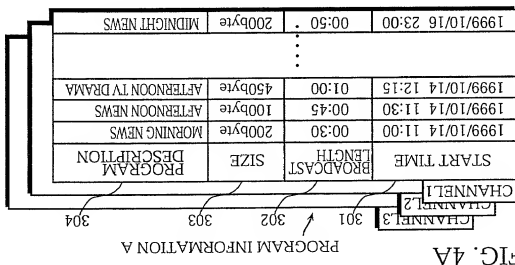
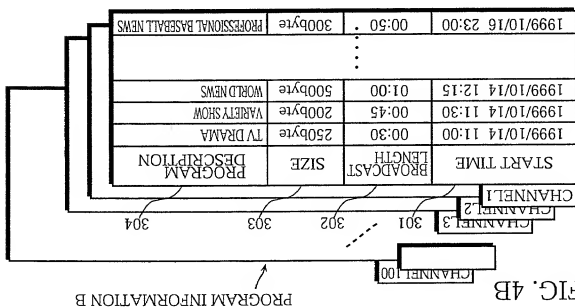
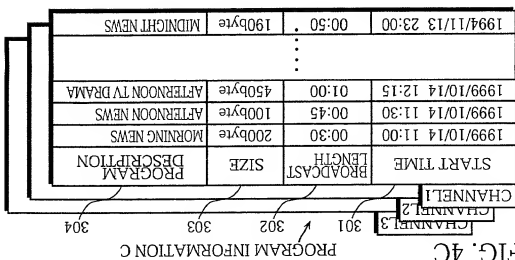


FIG. 5

TYPE OF PROGRAM INFORMATION	CYCLE LENGTH
PROGRAM INFORMATION A(TableA)	3 SECONDS
PROGRAM INFORMATION B(TableB)	10 SECONDS
PROGRAM INFORMATION C(TableC)	10 SECONDS

FIG. 6

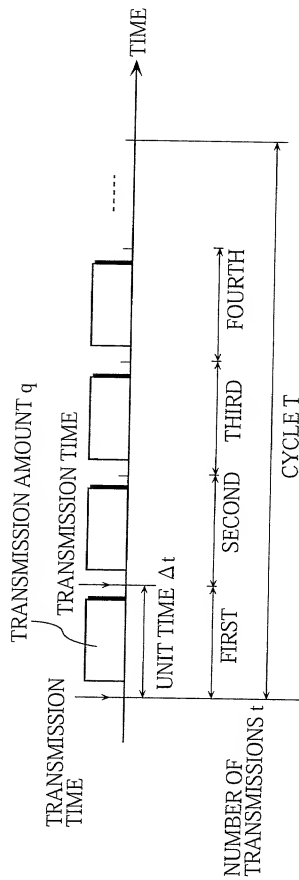


FIG. 7A

CYCLE=THREE SECONDS			
A1[1]	A1[2]	A1[3]	A1[4]
A2[1]	A2[2]	A2[3]	A2[4]
A3[1]	A3[2]	A3[3]	A3[4]

FIG. 7B

CYCLE= TEN SECONDS											
B1[1] B1[2] B1[3] B1[4]											
B2[1] B2[2] B2[3] B2[4]											
• • • •											
• • • •											
B100[1] B100[2] B100[3] B100[4]											
C1[1]	C1[2]	•	C1[21]	C1[22]	•	C1[39]	C1[40]	•	C1[61]	C1[62]	• C1[69]
C2[1]	C2[2]	•	C2[20]	C2[21]	•	C2[37]	C2[38]	•	C2[59]		
C3[1]	C3[2]	•	C3[19]	C3[20]	•	C3[39]	C3[40]	•	C3[61]	C3[70]	• C3[76]

FIG. 8

CYCLE TRANSMISSION QUEUE BUFFER 105

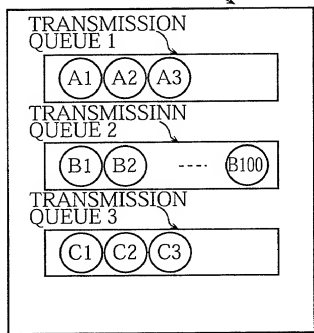


FIG. 9

TRANSMISSION QUEUE 1 TableA				
SubTable	Section1			
A1	4			
A2	4			
A3	4			
TRANSMISSION QUEUE 2 TableB				
SubTable	Section1			
B1	4			
B2	4			
.	.			
.	.			
B100	4			
TRANSMISSION QUEUE 3 TableC				
SubTable	Section1	Section2	Section3	Section4
C1	21	18	22	8
C2	20	17	22	
C3	19	20	22	15

FIG. 10

Table	PRIORITY
TableA	1
TableB	2
TableC	3

FIG. 12

CRITERION A-1	The number of packets that are transmitted per unit time period does not exceed the standard total transmission amount EL.
CRITERION B-1	The continuity of packets of a section is not interrupted by packets of another section during transmission
CRITERION B-2	Packets of tables given higher priorities are transmitted first .
CRITERION B-3	When the amount of transmitted packets of a current table reaches a corresponding standard table transmission amount Em1, the current table is switched to the next table.

FIG. 13

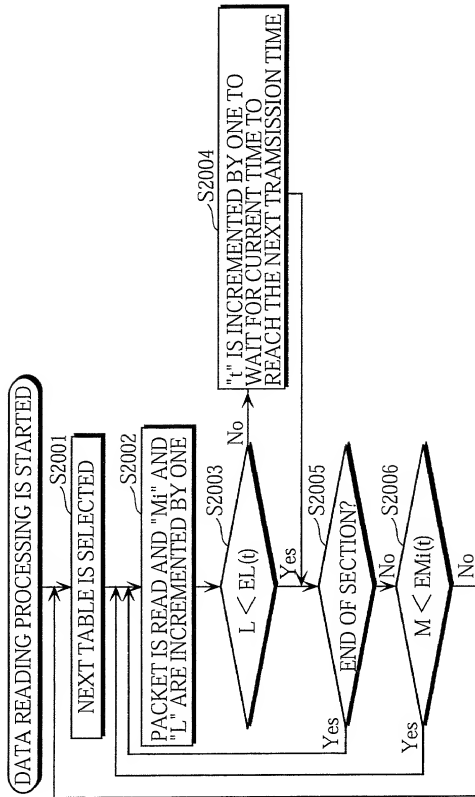


FIG. 14A

NUMBER OF TRANSMISSIONS ₁	no.1	no.2	no.3	no.4	no.5	no.6	no.7	no.8	no.9
1	A1	A1	A1	A1	B1	B1	B1	B1	B2
2	B2	B2	B2	B3	B3	B3	B3	C1	C1
3	C1	C1	C1	C1	C1	C1	C1	C1	C1
4	C1	C1	C1	C1	C1	C1	C1	C1	C1
5	C1	A2	A2	A2	A2	B4	B4	B4	B4
6	B5	B5	B5	B5	B6	B6	B6	B6	B7
7	B7	B7	B7	B8	B8	B8	B8	B9	B9
8	B9	B9	B10	B10	B10	B10	C2	C2	C2

FIG. 14B

	TableA		TableB		TableC		
NUMBER OF TRANSMISSIONS ₁	EM1(t)	M1	EM2(t)	M2	EM3(t)	M3	EL(t)
1	1	4	5	5	3	0	9
2	2	4	10	12	6	2	18
3	3	4	15	12	9	11	27
4	4	4	20	12	12	20	36
5	5	8	25	16	15	21	45
6	6	8	30	25	18	21	54
7	7	8	35	34	21	21	63
8	8	8	40	40	24	24	72

FIG. 16A

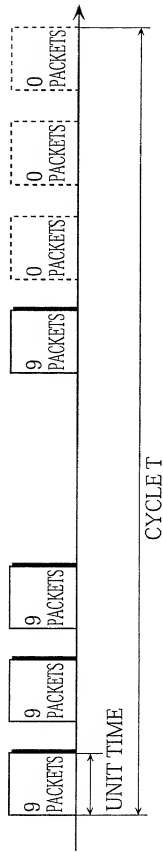


FIG. 16B

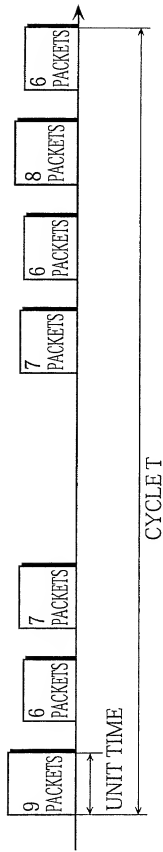


FIG. 17A

NUMBER OF TRANSMISSIONS	no.1	no.2	no.3	no.4	no.5	no.6	no.7	no.8	no.9
1	A1	A1	A1	A1	B1	B1	B1	B1	B2
2	B2	B2	B2	B3	B3	B3			
3	B3	B4	B4	B4	B4	B4	B4		
4	C1	C1	C1	C1	C1	C1			
5	C1	C1	C1	C1	C1	C1	C1		
6	C1	C1	C1	C1	C1	C1			
7	B5	B5	B5	B5	B6	B6	B6		
8	B6	B7	B7	B7	B7	B8			

FIG. 17B

NUMBER OF TRANSMISSIONS	TableA			TableB			TableC			
	ES1(t)	EM1(t)	M1	ES2(t)	EM2(t)	M2	ES3(t)	EM3(t)	M3	EL(t)
1	0.5	1	4	4.1	5	5	2.1	3	0	9
2	1.0	1	4	8.2	9	11	4.2	5	0	15
3	1.5	2	4	12.3	13	16	6.3	7	2	22
4	2.0	2	4	16.4	17	16	8.4	9	8	28
5	2.5	3	4	20.5	21	16	10.5	11	15	35
6	3.0	3	4	24.6	25	16	12.6	13	21	41
7	3.5	4	4	28.7	29	23	14.7	15	21	48
8	4.0	4	4	32.8	33	29	16.8	17	21	54

FIG. 18

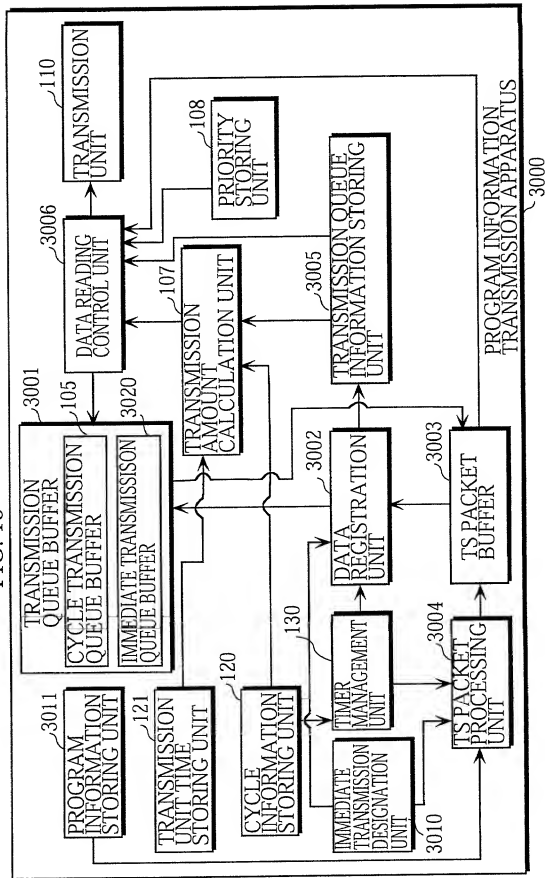


FIG. 19A

CYCLE=THREE SECONDS			
A1[1]	A1[2]	A1[3]	A1[4]
A2[1]	A2[2]	A2[3]	A2[4]
A3[1]	A3[2]	A3[3]	A3[4]

FIG. 19B

CYCLE=TEN SECONDS			
B1[1]	B1[2]	B1[3]	B1[4]
B2[1]	B2[2]	B2[3]	B2[4]
.	.	.	.
.	.	.	.
B100[1]	B100[2]	B100[3]	B100[4]

C1[1]	C1[2]	.	C1[39]	C1[40]	.	C1[61]	C1[62]	.	C1[69]
C2[1]	C2[2]	.	C2[20]	C2[21]	.	C2[37]	C2[38]	.	C2[59]
C3[1]	C3[2]	.	C3[19]	C3[20]	.	C3[39]	C3[40]	.	C3[61]
							C3[70]	.	C3[76]

FIG. 19C

IMMEDIATE			
D1[1]	D1[2]	D1[3]	D1[4]
D2[1]	D2[2]	D2[3]	D2[4]
D3[1]	D3[2]	D3[3]	D3[4]

FIG. 20

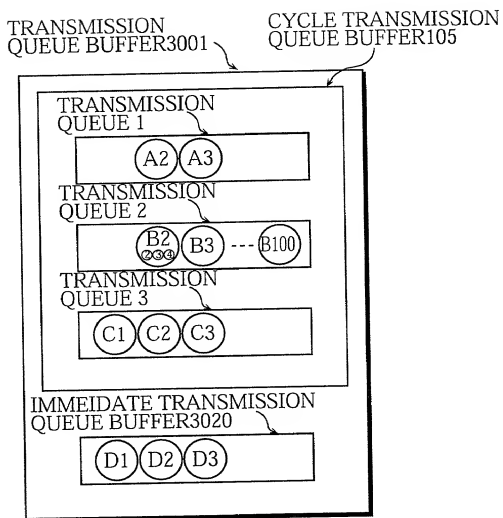


FIG. 21

TRANSMISSION QUEUE 1 TableA				
SubTable	Section1			
A1	4			
A2	4			
A3	4			
TRANSMISSION QUEUE 2 TableB				
SubTable	Section1			
B1	4			
B2	4			
.	.			
.	.			
B100	4			
TRANSMISSION QUEUE 3 TableC				
SubTable	Section1	Section2	Section3	Section4
C1	21	18	22	8
C2	20	17	22	
C3	19	20	22	15
IMMEDIATE TRANSMISSION QUEUE BUFFER TableD				
SubTable	Section1			
D1	4			
D2	4			
D3	4			

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FIG. 22

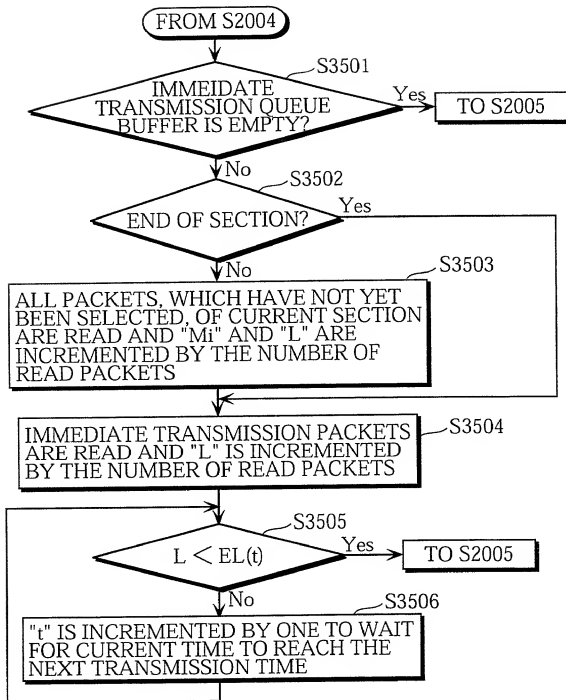


FIG. 23A

NUMBER OF TRANSMISSIONS _t	no.1	no.2	no.3	no.4	no.5	no.6	no.7	no.8	no.9	no.10	no.11	no.12	no.13	no.14	no.15
	A1	A1	A1	A1	B1	B1	B1	B1	B2						
	B2	B2	B2	D1	D1	D	D1	D1	D2	D2	D2	D3	D3	D3	
							B3	B3	B3						
1															
2															
3															
4															